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Supplemental Material

Associations of Pregnancy Outcomes and PM_{2.5} in a National Canadian Study

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Table of Contents

Table S1. Summary model estimates for PM_{2.5} land use regression comparing Canadian and previously published US models.

Figure S1. Cross-validation plot of predicted on observed PM_{2.5} concentrations based on 1436 (10%) randomly selected leave-out observations from 22 monitoring sites. These data were used in cross validation only, not in modeling. Removal of eight cross validation data points over 35 µg/m³ increased CV R² from 0.36 to 0.53.

Figure S2. Provinces (top panel) and airsheds (bottom panel).

Table S2. Spearman correlations^a among estimated PM_{2.5} exposures by gestational period.

Table S3a. Individual years of maternal education vs. dissemination area percent post-secondary education (Quebec, females 25+).

Table S3b. Individual years of maternal education vs. dissemination area percent lowest income quintile (Quebec, age 15+).

Table S3c. Individual years of maternal education vs. dissemination area percent unemployed (Quebec, age 15+).

Table S4. Descriptive summary of monthly average PM_{2.5} from ground-based monitoring data (without spatiotemporal modelling), 24 cities, 1999-2008 ($\mu\text{g}/\text{m}^3$)

References